



A.D. 1849 N° 8400.

S P E C I F I C A T I O N

OF

RICHARD KINGDON.

APPARATUS FOR SUPPORTING THE
HUMAN BODY, &c.

L O N D O N :

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1857.



A.D. 1840 N° 8400.

Apparatus for Supporting the Human Body, &c.

KINGDON'S SPECIFICATION.

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, RICHARD KINGDON, of Gothic House, Stockwell, in the County of Surrey, Surgeon, send greeting.

WHEREAS Her present most Excellent Majesty Queen Victoria, by
5 Her Letters Patent under the Great Seal of Great Britain, bearing date at Westminster, the Twenty-fifth day of February, in the third year of Her reign, did, for Herself, Her heirs and successors, give and grant unto me, the said Richard Kingdon, Her especial licence that I, the said Richard Kingdon, my exors, admors, and assigns, or such others as I, the said Richard Kingdon,
10 my exors, admors, or assigns, should at any time agree with, and no others, from time to time and at all times during the term of years therein expressed, should and lawfully might make, use, exercise, and vend, within England, Wales, and the Town of Berwick-upon-Tweed, my Invention of "CERTAIN IMPROVEMENTS IN APPARATUS FOR THE SUPPORT OF THE HUMAN BODY, AND THE
15 CORRECTION OF CURVATURES AND OTHER DISTORTIONS OF THE SPINE OF THE HUMAN BODY;" in which said Letters Patent is contained a proviso, obliging me, the said Richard Kingdon, by an instrument in writing under my hand and seal, particularly to describe and ascertain the nature of my said Invention, and in what manner the same is to be performed, and to cause the same to
20 be enrolled in Her said Majesty's High Court of Chancery within six calendar months next and immediately after the date of the said recited Letters Patent, as in and by the same, reference being thereunto had, will more full and at large appear.

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NOW KNOW YE, that in compliance with the said proviso, I, the said Richard Kingdon, do hereby declare the nature of my said Invention to consist, first, in two crutches or side supports under the arms, and the mode of fixing the same; and, secondly, in doing away with the leather belt heretofore worn round the waist, and to which back supports to the spine have heretofore fastened, and in fixing the same by various new contrivances to stays such as are usually worn by females. 5

And in further compliance with the said proviso, I, the said Richard Kingdon, do hereby describe the manner in which my said Invention is to be performed by the following statement thereof, reference being had to the Drawing annexed, and to the figures and letters marked thereon, it being only necessary to observe that similar letters are used to denote similar parts in all the Figures. 10

DESCRIPTION OF THE DRAWING.

Figures 1 and 2 represent a front and back view of a pair of stays fitted with my said side supports or crutches. In Figure 1, A, A, are stays made of strong jean; B is an elastic indian-rubber webbing let into the front to allow the chest to expand when the lungs are inflated or otherwise; C, C, are my two crutches; and D, D, are two straps crossing below the bosom and buckling to the two buckles E, E, in order to aid in keeping the crutches upright. These buckles E, E, are fastened to the two steel busks or ribs F, F, which are sewed into the stays for the purpose. The lower end of each crutch is supported on a stud or pin G, which rises from the centre of a pad H, which pad is sewn into the stays so as to lie on the hips and take the pressure of the crutch. In Figure 2, which is the back view, I, J, K, are straps crossing the backs in various directions, and the position of which will of course be varied, according to the curvature of the spine in each particular case of application; these last-mentioned straps also aid in keeping the crutches in their true position. Figure 3 is a separate and front view of the crutch and its adjusting socket N, drawn to a larger scale; L is the part that goes under the arm and moves on the pivot joint M. The tongue piece which descends from the said pivot joint is pierced with holes, as shewn in the separate view, Figure 4. These holes are for the purposes of adjustment to the proper height, there being a spring with a stud in it at the back of the socket N, which stud pulls out from or takes into these last-mentioned holes at pleasure. This spring is shewn at Figure 5, in a section taken on a line from *a* to *b* in Figure 3, and is important for the proper adjustment of the crutch. Figure 6 is a side view of the socket N and its support rod O, shewing the studs marked P for fastening the back straps to; and Figure 7 15 20 25 30 35

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is a separate and enlarged view of the hip pad H, with its stud or pin G in the centre. Figure 8 is a back view of stays to which my crutches are fixed, shewing also an ordinary back bar Q, which it will be seen, instead of having a leather belt to fix it to, as is usual, is fastened to the stays as follows :—Two
5 steel busks or bars being introduced and sewn firmly into the stays at R and S, one end T of the adjusting plate T, V, is rivetted to the steel bar R, while the notches at the end V of the said adjusting plate take on to two studs rivetted firmly into the other steel bar S; these steel bars are shewn at Figures 9 and 10, one being a front and the other a side view of the same.
10 Figure 11 is a front view of Figure 8, merely to shew an additional buckle W, which is very useful to hold one end of the broad belt *m*, the other end of which belt *m* is fastened to the studs of the back bar, and which is fastened to the steel busk which passes down the front of the stays. Figure 12 is only an elevation of the ordinary back bar on an enlarged scale.
15 Now whereas I claim as my Invention, first, the two crutches C, C, with their sockets N, and support bars O, with the studs P on the same, and also the mode of adjusting the same, and fixing them in stays and supporting them on the hips by the pad H and stud G, as likewise the bars F, F, and buckles E, E; and, secondly, I claim the manner of fixing the ordinary
20 adjusting back bar support to stays by means of the steel bars R and S, and the rivets and studs in the same, as also the front buckle W, fixed to the front busk, by which second improvement I am enabled to do without the ordinary belt to which these back bars have heretofore been fastened. And such my Invention being to the best of my knowledge and belief entirely
25 new, and never before used within that part of Her said Majesty's United Kingdom of Great Britain and Ireland called England, Her Dominion of Wales, or Town of Berwick-upon-Tweed, I do hereby declare this to be my Specification of the same, and that I do verily believe this my said Specification doth comply in all respects fully and without reserve or disguise with the
30 proviso in the herein-before in part recited Letters Patent contained; wherefore I hereby claim to maintain exclusive right and privilege to my said Invention.

In witness whereof, I have hereunto set my hand and seal, this Twenty-fifth day of August, One thousand eight hundred and forty.

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HORNE.
AND BE IT REMEMBERED, that on the Twenty-fifth day of August, in the year of our Lord 1840, the aforesaid Richard Kingdon came before our said Lady the Queen in Her Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained and specified, in form above written. And also the Specification aforesaid was stamped according 5 to the tenor of the Statute made for that purpose.

Inrolled the Twenty-fifth day of August, in the year of our Lord One thousand eight hundred and forty.

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Printers to the Queen's most Excellent Majesty. 1857.



FIG. 1.

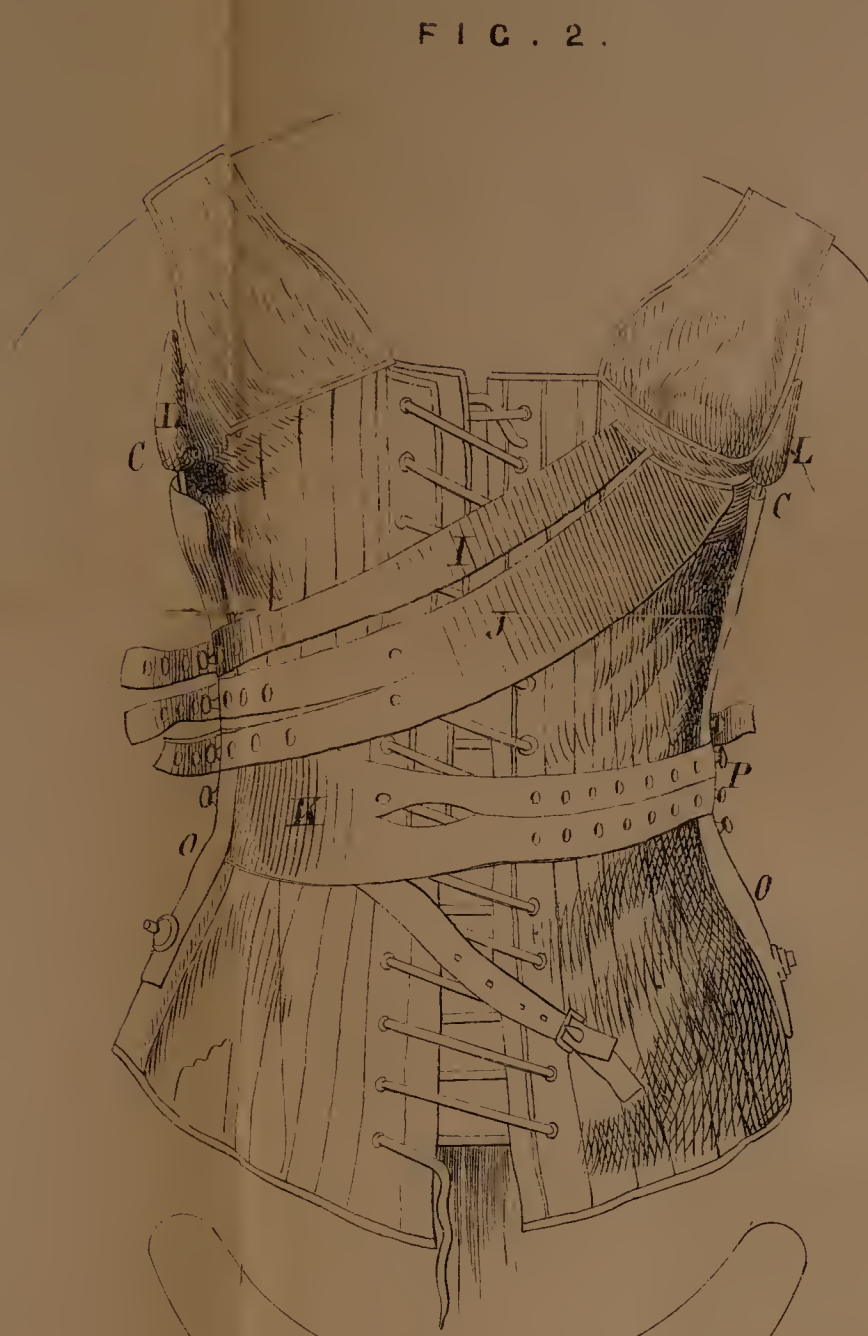


FIG. 2.

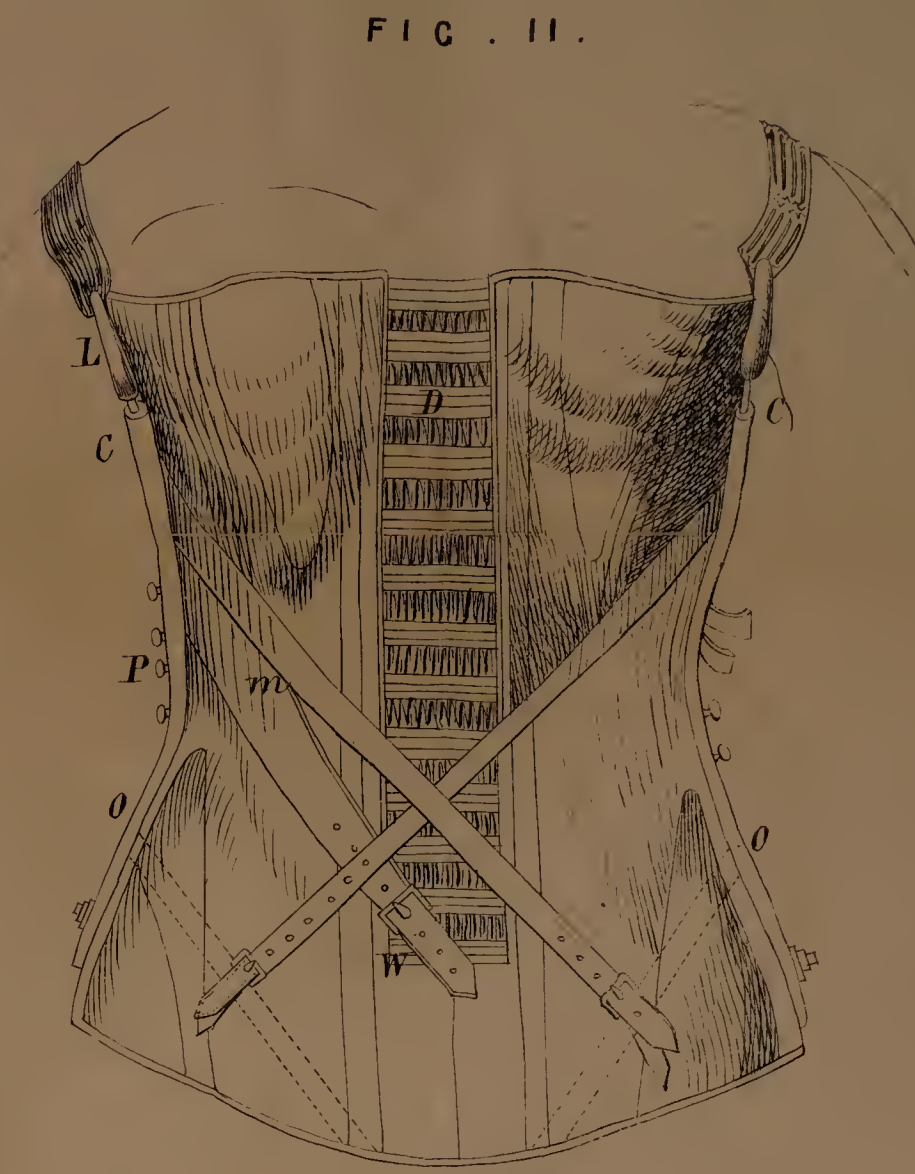


FIG. 11.

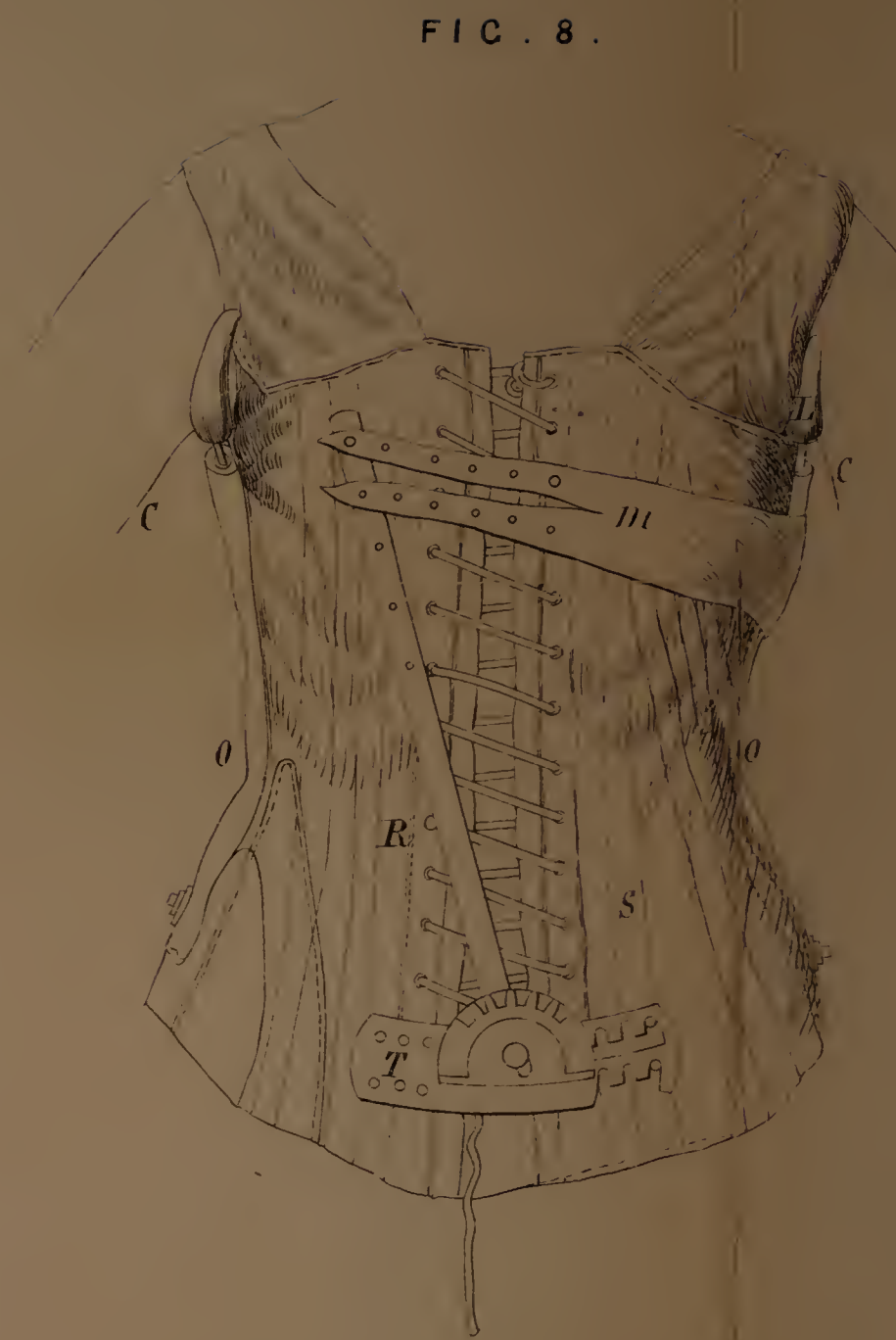


FIG. 8.

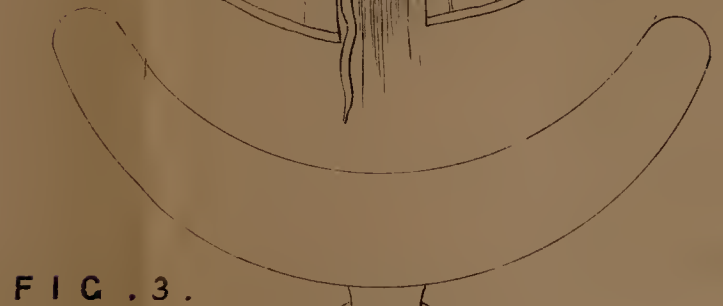


FIG. 3.

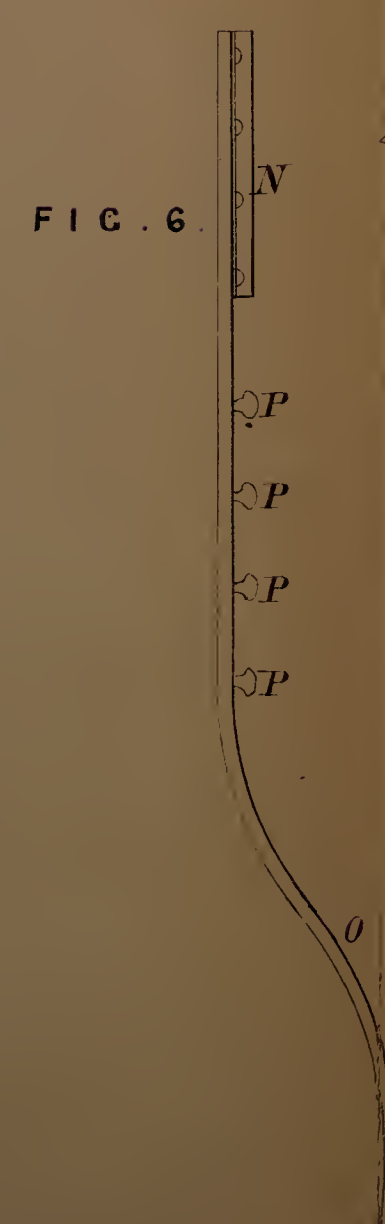


FIG. 6.

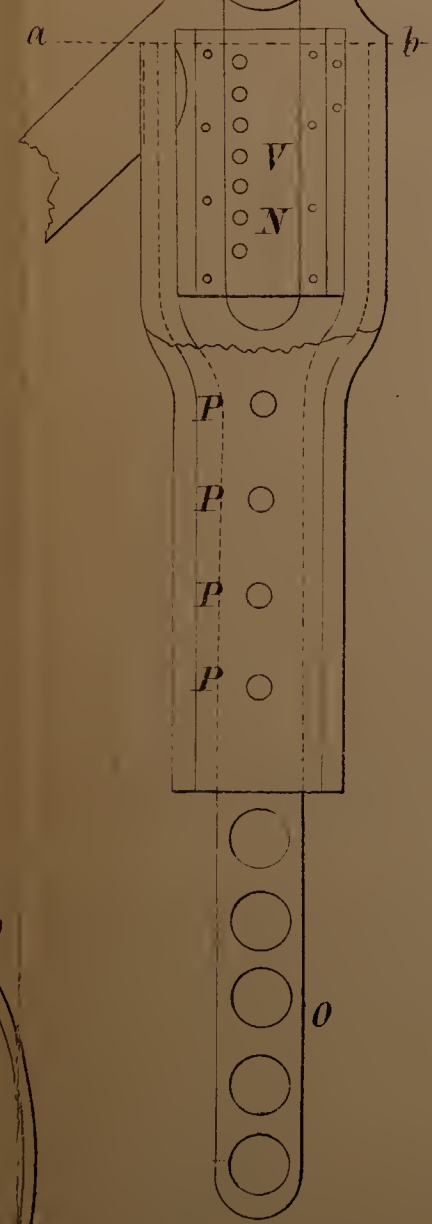


FIG. 4.

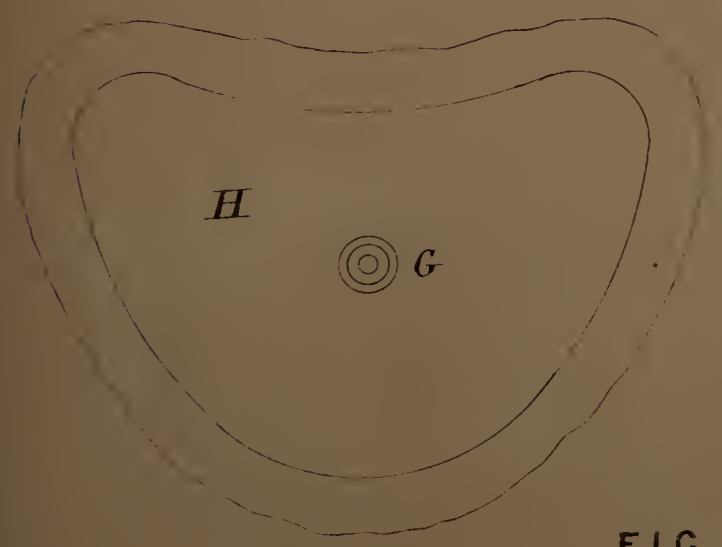
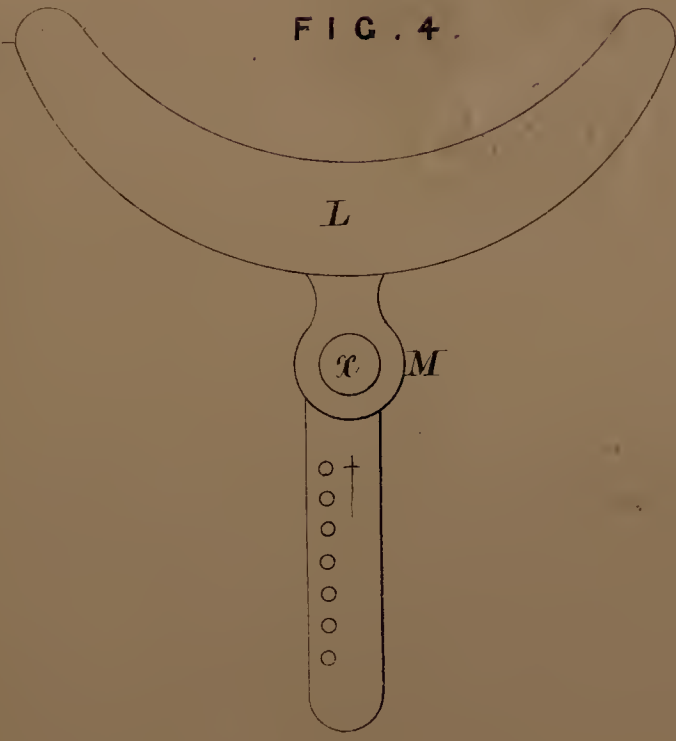


FIG. 7.

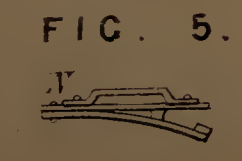


FIG. 5.

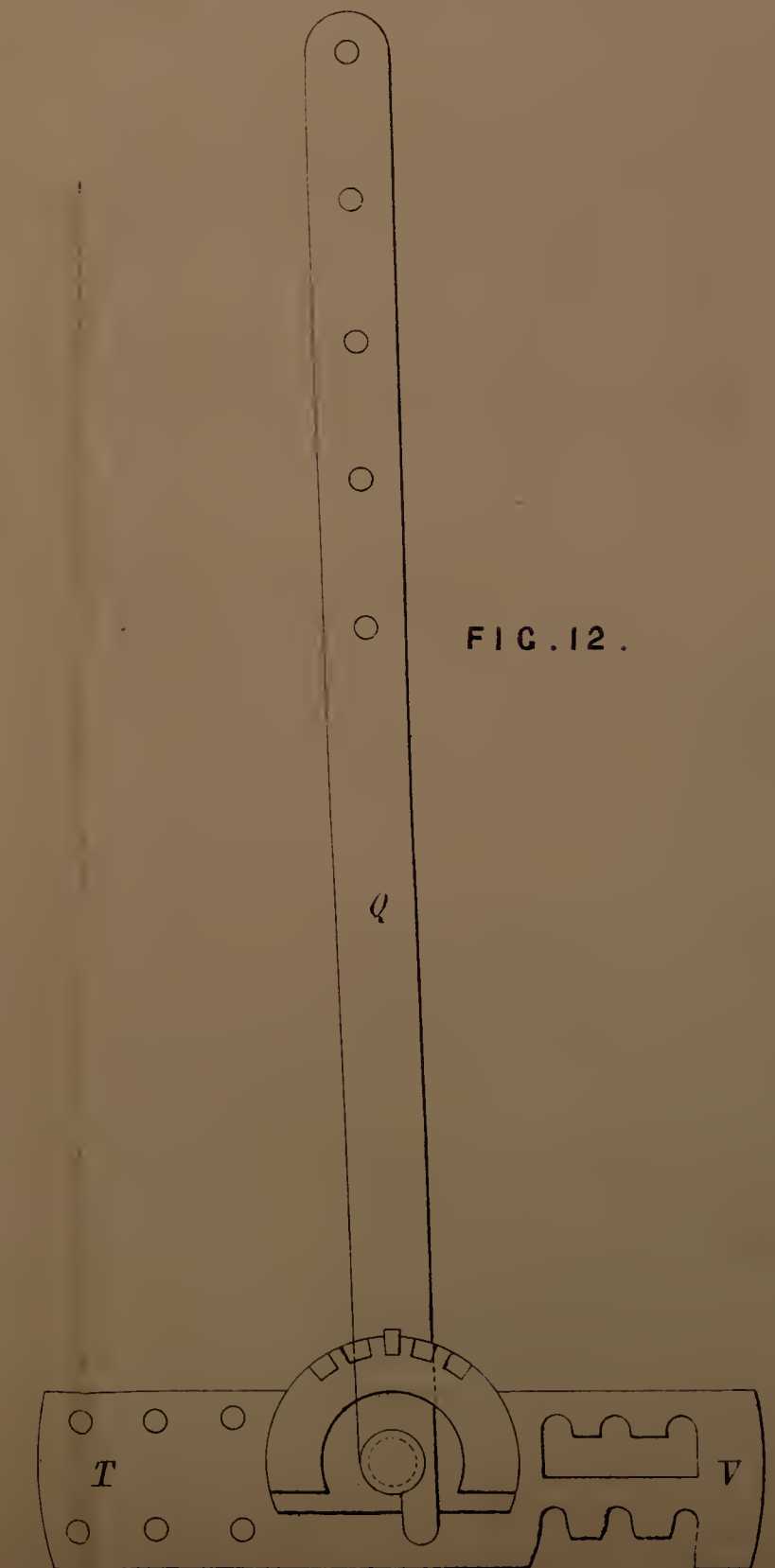


FIG. 12.



FIG. 10.

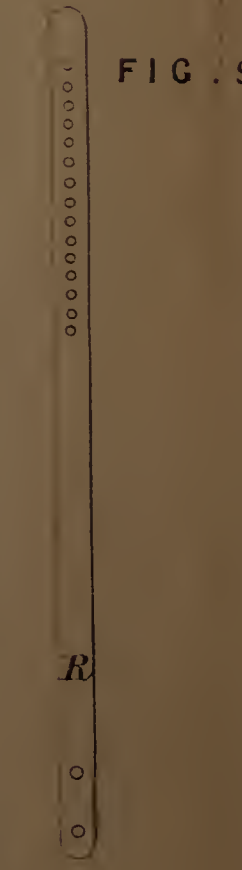


FIG. 9.

